

GRENTON DIGITAL IN

INP-018-T-16

DIGITAL INPUT MODULE
FOR ASSEMBLY ON DIN RAIL



Digital input module allows you to connect any digital input with the system.

- enables you to connect six independent binary input
- enables you to connect two 230 V inputs
- inputs are fully configurable
- operates in two modes: monostable and bistable
- differentiates a click in monostable mode, short press, long press, and button hold

CONFIGURATION PARAMETERS

CHARACTERISTICS

Name	Description
Value	Returns input mode as 0 or 1
Inertion	Minimum interval in milliseconds which has to pass between presses of a button so that it is interpreted as a new pressing activity
HoldDelay	Time in milliseconds after which, when pressing and holding a button, the OnHold event occurs
HoldInterval	Cyclical interval in milliseconds after which, when pressing and holding a button, the OnHold event occurs
StatisticState	Measurement type. Off - turned off; Continuous - Load measurement throughout the machine cycle/Load measurement over the entire life cycle of the device, Pulse - measurement counted when the input state is high
Load	Multiplier of measured value. For StatisticState: Continuous - consumption value per unit time; Pulse - consumption value per one pulse

METHODS

Name	Description
SetInertion	Sets Inertion value
SetHoldDelay	Sets HoldDelay value
SetHoldInterval	Sets HoldInterval value

EVENTS

Name	Description
OnChange	Occurs when a change in the input state takes place (regardless of the value)
OnSwitchOn	Occurs when the high state is set at input
OnSwitchOff	Occurs when the low state is set at input
OnShortPress	Occurs after pressing the button for 500 - 2000 ms
OnLongPress	Occurs after pressing the button for two seconds
OnHold	Occurs for the first time after HoldDelay time passes and then cyclically every HoldInterval Value
OnClick	Occurs after pressing the button for less than 500 ms

TECHNICAL SPECIFICATIONS

DC supply	5 V
max. current input	4.7 mA
weight	94 g
dimensions (H/W/D)	58/71/90 mm
max. connection wire section	≤ 2.5 mm ²
size [DIN]	4
operating temperature range	0 to +40°C

WIRING DIAGRAM

